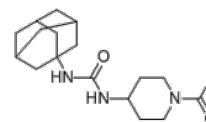


Product Name : AR9281
Cat. No. : PC-21824
CAS No. : 913548-29-5
Molecular Formula : C₁₈H₂₉N₃O₂
Molecular Weight : 319.45
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

AR9281 (APAU) is a potent, selective and orally active soluble epoxide hydrolase (sEH) inhibitor with IC₅₀ of 8 nM and 3 nM for human and mouse sEH enzyme, respectively.

AR9281 is highly selective with no inhibitory activity against microsomal epoxide hydrolase or an extended panel of ca.150 other enzyme and receptor targets at 10 uM.

AR9281 attenuates the enhanced glucose excursion following an intraperitoneal glucose tolerance test in mouse model of diet induced obesity.

AR9281 also attenuates the increase in blood pressure in angiotensin-II-induced hypertension in rats.

References

Anandan SK, et al. Bioorg Med Chem Lett. 2011 Feb 1;21(3):983-8.

Zhang LN, et al. Eur J Pharmacol. 2011 Mar 1;654(1):68-74.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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